N

MD 197 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED LED SIGNALS

4 — 12"/8"

5 — 12"

6,7,8, 9,10 — 12" 12"

PROPOSED SIGNS

18a — American Holly DR

14a — Powder Mill RD

18b — American Holly DR

14b — Powder Mill RD

D-3(1) (96"x16") DUAL FACED

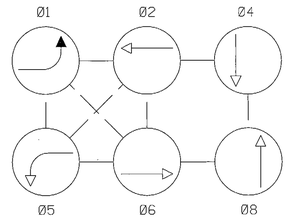
D-3(1) (96"x16") DUAL FACED

EXISTING SIGNS TO BE REMOVED

11a,11b,12a,12b — Powder Mill Rd. DUAL FACED

13 — NORTH MARYLAND 197 SOUTH

NEMA PHASING



FLASHING OPERATION

NOTE:
PHASES ASSOCIATED BY A DASHED LINE MAY/ WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

PROPOSED LED SIGNAL MODULE UPGRADES

1 — 12"/8"

2 — 12"

3 — 12"

15 — SOUTH MARYLAND 197 — M1-5(6) SHIELD ASSEMBLY (30"x48")

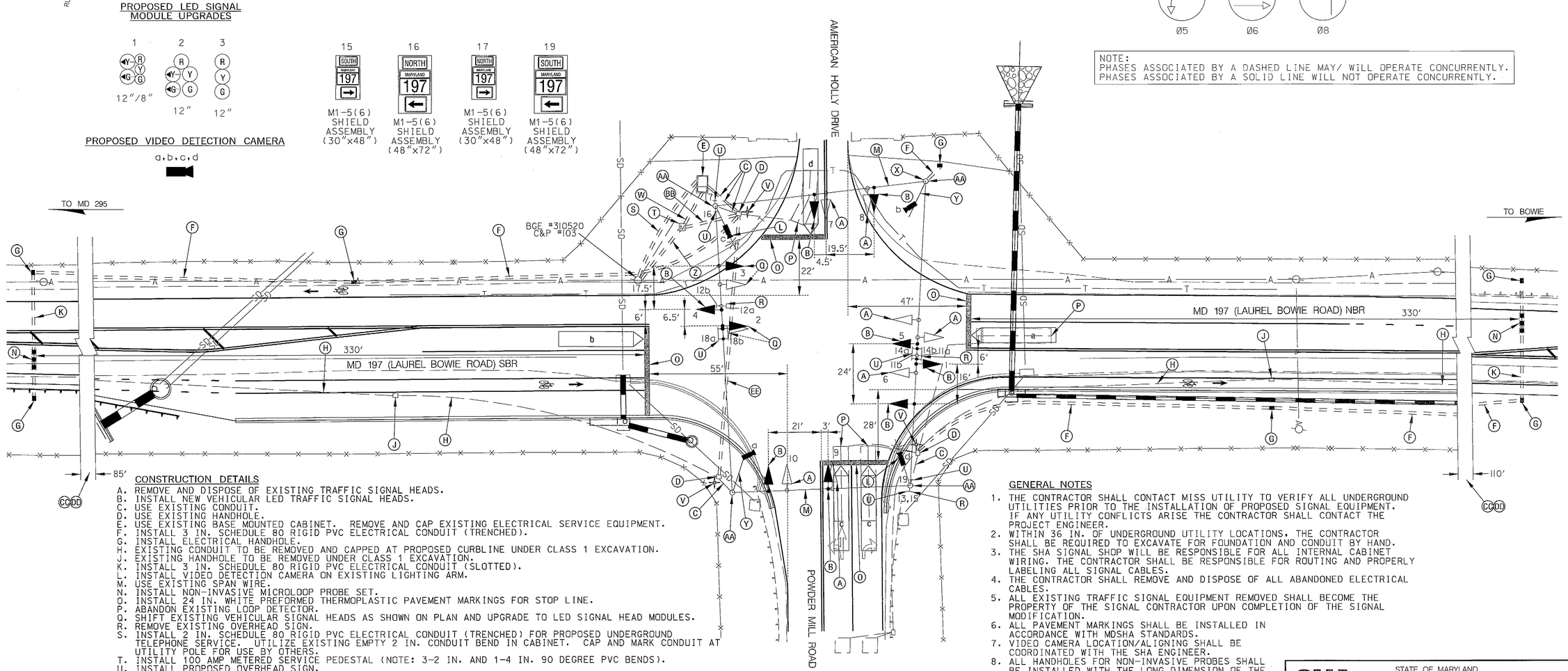
16 — NORTH MARYLAND 197 — M1-5(6) SHIELD ASSEMBLY (48"x72")

17 — NORTH MARYLAND 197 — M1-5(6) SHIELD ASSEMBLY (30"x48")

19 — SOUTH MARYLAND 197 — M1-5(6) SHIELD ASSEMBLY (48"x72")

PROPOSED VIDEO DETECTION CAMERA

a,b,c,d



CONSTRUCTION DETAILS

A. REMOVE AND DISPOSE OF EXISTING TRAFFIC SIGNAL HEADS.
B. INSTALL NEW VEHICULAR LED TRAFFIC SIGNAL HEADS.
C. USE EXISTING CONDUIT.
D. USE EXISTING HANDHOLE.
E. USE EXISTING BASE MOUNTED CABINET. REMOVE AND CAP EXISTING ELECTRICAL SERVICE EQUIPMENT.
F. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
G. INSTALL ELECTRICAL HANDHOLE.
H. EXISTING CONDUIT TO BE REMOVED AND CAPPED AT PROPOSED CURBLINE UNDER CLASS 1 EXCAVATION.
J. EXISTING HANDHOLE TO BE REMOVED UNDER CLASS 1 EXCAVATION.
K. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (SLOTTED).
L. INSTALL VIDEO DETECTION CAMERA ON EXISTING LIGHTING ARM.
M. USE EXISTING SPAN WIRE.
N. INSTALL NON-INVASIVE MICROLOOP PROBE SET.
O. INSTALL 24 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR STOP LINE.
P. ABANDON EXISTING LOOP DETECTOR.
Q. SHIFT EXISTING VEHICULAR SIGNAL HEADS AS SHOWN ON PLAN AND UPGRADE TO LED SIGNAL HEAD MODULES.
R. REMOVE EXISTING OVERHEAD SIGN.
S. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND TELEPHONE SERVICE. UTILIZE EXISTING EMPTY 2 IN. CONDUIT BEND IN CABINET. CAP AND MARK CONDUIT AT UTILITY POLE FOR USE BY OTHERS.
T. INSTALL 100 AMP METERED SERVICE PEDESTAL (NOTE: 3-2 IN. AND 1-4 IN. 90 DEGREE PVC BENDS).
U. INSTALL PROPOSED OVERHEAD SIGN.
V. INSTALL GROUND ROD IN EXISTING ELECTRICAL HANDHOLE.
W. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED). WITH 1-2 IN. PVC 90 DEGREE BEND IN EXISTING BASE MOUNTED CABINET FOUNDATION.
X. INSTALL 1-3 IN. PVC 90 DEGREE BEND IN EXISTING STRAIN POLE FOUNDATION.
Y. INSTALL 20 FT. LIGHTING ARM WITH VIDEO DETECTION CAMERA ON EXISTING STRAIN POLE.
Z. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR UNDERGROUND POWER SERVICE. THE CONTRACTOR SHALL CAP, MARK, AND LEAVE A 1 FT. STUB WITH PULLSTRING AT BASE OF UTILITY POLE FOR USE BY OTHERS.
AA. USE EXISTING STRAIN POLE.
BB. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
CC. ABANDON EXISTING LOOP DETECTOR IN BREAK AREA.
DD. EXISTING HANDHOLE IN BREAK AREA TO BE REMOVED UNDER CLASS 1 EXCAVATION.
EE. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (SLOTTED).

GENERAL NOTES

1. THE CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
2. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
3. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING AND PROPERLY LABELING ALL SIGNAL CABLES.
4. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
5. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
6. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MDSHA STANDARDS.
7. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
8. ALL HANDHOLES FOR NON-INVASIVE PROBES SHALL BE INSTALLED WITH THE LONG DIMENSION OF THE HANDHOLE PERPENDICULAR TO THE ROADWAY AS SHOWN.

STV Incorporated
7125 Ambassador Road, Suite 200
Baltimore, MD 21244
www.stvinc.com

BY: tarnowk –

UTILITY LEGEND

E — E — ELECTRIC CABLES	SD — SD — STORM DRAIN
A — A — AERIAL CABLES	G — G — GAS MAIN
T — T — TELEPHONE CABLES	W — W — WATER MAIN
F — F — FIBER-OPTIC	S — S — SEWER MAIN

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 197 (LAUREL BOWIE ROAD) AT POWDER MILL ROAD

TRAFFIC SIGNALIZATION PLAN

APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR
ORIGINAL ON FILE

REVISIONS
D ADD SOUTHBOUND LEFT TURN PHASE TO MD 197
SHA NO. PG6325187R TIMS# H924 03/2013
STV SGV CSW
C ADDED 5 PHASE LEFT TURN SIGNAL FOR NB MD 197 (AM SIGNAL OPERATION ONLY)
SHA NO. AT3575185 05/01/2004
RRZ
B ASBUILT
SHA NO. BM9568482 01/29/1998
RRZ

SCALE 1" = 20' ADVERTISED DATE 02/01/1989 CONTRACT NO. P-933-459-385

DESIGNED BY
DRAWN BY WJ NIES
CHECKED BY RR ZACHERL
F.A.P. NO. SEE TITLE SHEET
COUNTY PRINCE GEORGE'S
LOGMILE 16019710.13
TIMS NO.
TOD NO.

TS NO. 2563 D | DRAWING SG-01 OF 02 | SHEET NO. 21 OF 22

PLOTTED: Wednesday, January 30, 2013 AT 05:37 PM
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